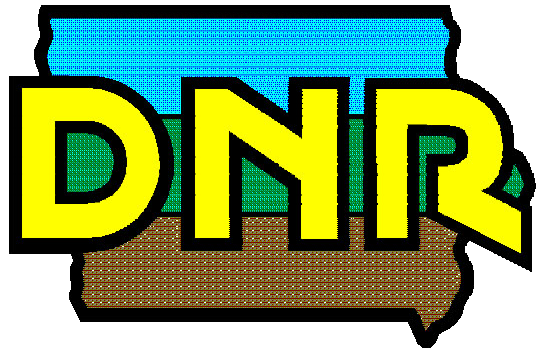


# Senate File 2293

## *Progress Report*



*Wayne Gieselman*  
*Administrator*  
*Environmental Services*

# *Confinements & SF 2293*

*Applies to **confinement** livestock operations, with some exceptions*



# *Animal Feeding Operations*

## *Two Types*

- *Confinements (Roofed)*
- *Open feedlots (confined but not totally roofed)*



# *Major Changes - SF2293*

- *Lowers thresholds - April 29, 2002*
- *Fees - June, 2002*
- *Construction Requirements - siting, master matrix, construction resolution, standards*
- *Air Quality - monitoring, enforcement Dec., 2004*
- *Manure Management - in progress*

# *Major Changes - Lower Thresholds*

- *Law based on animal units (AU)*  
*(not live weight capacity)*
  - *Aligns with EPA regulations*
- *Lowers MMP thresholds > 500 AU*  
*357 dairy cows or 1,250 finishers*
- *Lowers Construction Permit thresholds > 1,000 AU*  
*715 dairy cows or 2,500 finishers*

# *Fees*

## *New Filing Fees*

- *Construction Permit Application - \$250*
- *Original MMP submittal - \$250*  
*(first-time submittal)*

## *Other New Fees*

- *Annual Compliance fee - \$0.15 / AU*  
*(based on one-time capacity)*  
*To be paid when annual MMP is submitted*

# *Existing Fees*

- *Manure Storage Indemnity Fee*  
*\$0.10/AU due with new construction or expansion*

# Where the \$\$\$\$\$\$\$\$ Go



## *12 New Field Specialists*

- *Better customer assistance*
- *MMP inspections*
- *Annual earthen basin inspections*
- *Construction inspections*
- *Site surveys for new construction permits*



# *Major Changes - Construction*

- *Lowered Permit Thresholds*
- *Siting*
- *P.E. requirement*
- *Master matrix*

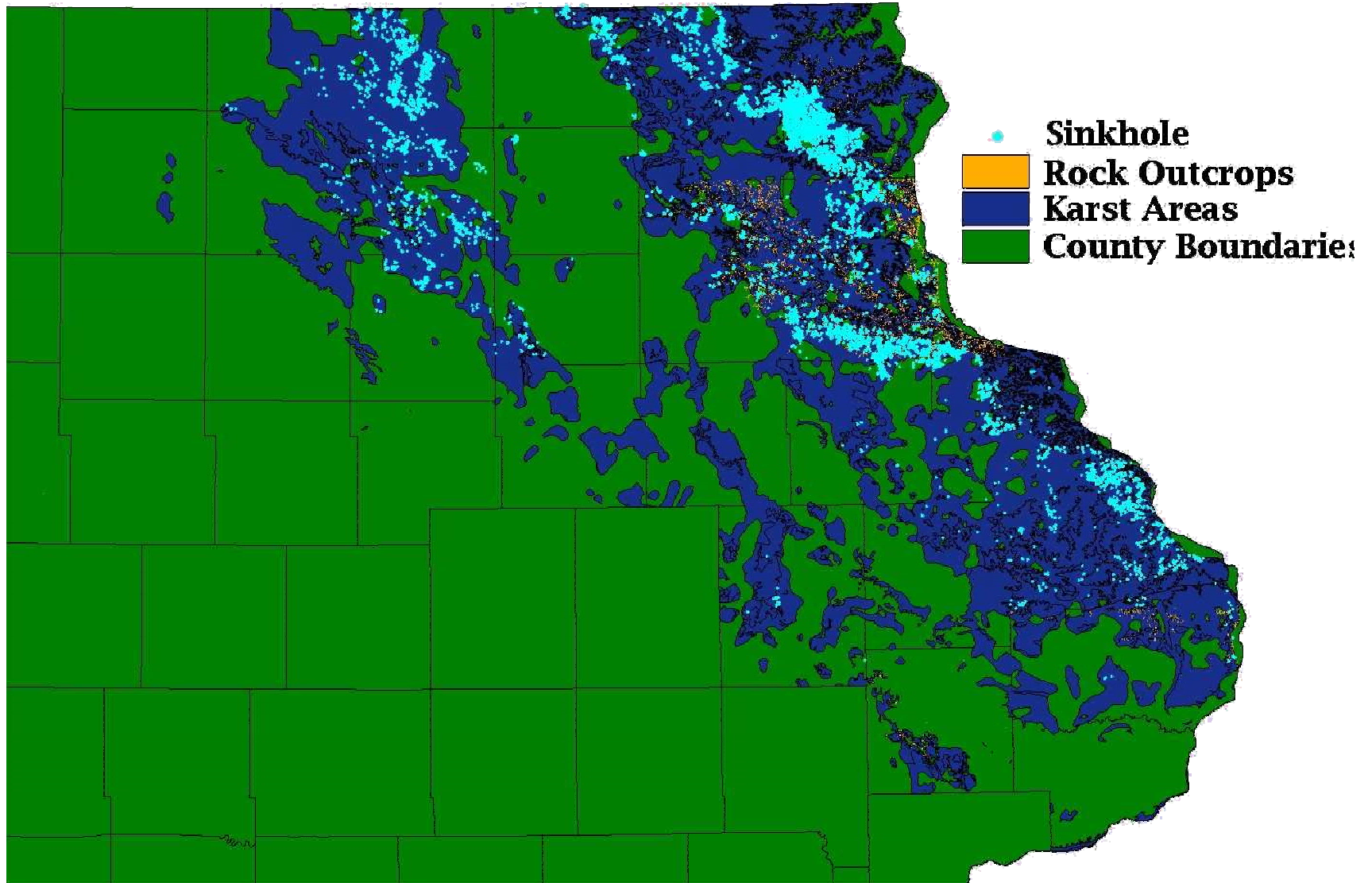


# *Siting*

- *Discourages building earthen basins*
  - *Construction permit required on all sizes, even SAFOs*
  - *None in karst terrain*
- *Restricts siting*
  - *On 100-year floodplains*  
(all confinement structures)
  - *On karst terrain*

# *Karst Areas*

*Defined as having less than 25 feet to carbonate bedrock*



# *Construction Separation Distances*

- *Increases minimum separation distances -- by 250 feet up to 625 feet*
- *1,000 feet*
  - *wellhead or cistern of ag drainage well*
  - *known sinkhole*
  - *major water source*
- *500 feet*
  - *intake of ag drainage well*
  - *water source*

# *Construction Separation Distances*

## *Buildings and Public Use Areas*

- *< 1,000 AU*
  - *0 to 1,875 feet*
- *1,000 – 3,000 AU*
  - *1,500 to 2,500 feet*
- *3,000+ AU*
  - *2,000 to 3,000 feet*

# *Engineer Required...*

- *Larger permitted facilities*
- *All earthen basins*

*Others > 500 AU Need  
a Construction  
Design Statement*

# *Major Changes*



Master Matrix - Permitted Facilities  
new and expansions

# ***The Master Matrix***

*Developed through consensus by a  
10-member statewide committee*

DNR

ISAC

IFU

IDALS

IEC

IPPA

ISU

IFBF

IPA

U of I

*Met June through September 2002*



# *The Master Matrix*

- *Gives points to applicants that exceed state law and DNR regulations*
- *Must have 50% of 880 total points = 440*
- *Must have 25% of available points in three subcategories*
  - *Environmental (air and water)*
  - *Community impact*

# *The Master Matrix*

- *After March 1, 2003, for use by*
  - *County boards that have adopted a construction evaluation resolution*
    - *Can recommend approval or disapproval of construction permit applications*
    - *Base comments on the master matrix or other criteria*
  - and*
  - *DNR (if disagrees on county's scoring of matrix)*

# *The Master Matrix*

*DNR MUST APPROVE*

- *if the county recommends to approve (satisfactory rating on the master matrix)*
- and*
- *it meets statutory and DNR rule requirements*

# *The Master Matrix*

*DNR must DENY*

- *if does not meet state law and DNR rules*
  - *regardless of County Board's recommendation and matrix score*
- OR*
- *if county recommends to disapprove*
  - *does not score 50% on the master matrix*
  - *even if site meets all DNR minimum requirements*
    - *DNR must confirm master matrix scores*

# *Major Changes*



*Air Quality*

# *Air Quality*

- *DNR to conduct comprehensive field study to monitor AQ at confinements & open feedlots*
  - *hydrogen sulfide*
  - *ammonia*
  - *odor*

# *Major Changes*



*Manure  
Management*

# *Manure Management*

## *Land application separation distances*

- 200 feet - *Designated Areas*
  - *Added water sources*
- 750 feet - *Residence, business, church, school, public use area*
- 800 feet - *High quality water resources check with DNR for locations*



# *Phosphorus*

- *DNR charged to assess the impacts of nutrients on Iowa waters - by Jan., 2004*
- *Nutrient management is going to be a larger issue*
- *Phosphorus*
  - *P index for manure application*

# *Manure Management*

<b><i>Original MMP submitted...</i></b>	<b><i>P-based MMP due</i></b>
<i>...prior to April 1, 2002</i>	<i>July 1, 2007</i>
<i>...April 1, 2002 – August 30, 2003</i>	<i>July 1, 2005</i>
<i>...after August 30, 2003</i>	<i>Upon submission</i>

# *Work Completed*

- *Interim Matrix*
- *Fees & definitions*
- *Hiring new staff*
- *Master matrix and rules*
- *County resolution rules*

# *Work Completed*

- *Karst definitions*
- *Floodplain definitions*
- *Annual updates of MMPs*
- *Increased penalties for fish restitution*

# *Work in Process*

- *Air quality monitoring*
- *Finalize air quality rules*
- *Floodplain rules*

# *Work to be Completed*

- *Phosphorus index*
- *Nutrient budget*
- *Concrete standards*
- *Construction design statements*

# *For More Information on SF2293*

- *Reza Khosravi at 515-242-6128 for permitted sites*
- *DNR field offices for nonpermitted sites*
- *DNR website - [www.iowadnr.com](http://www.iowadnr.com)*
  - *new construction permit applications*
  - *new siting separation distance tables*
  - *revised MMP forms (but not P-based yet)*
  - *factsheets*

# *New EPA AFO/CAFO Rules*

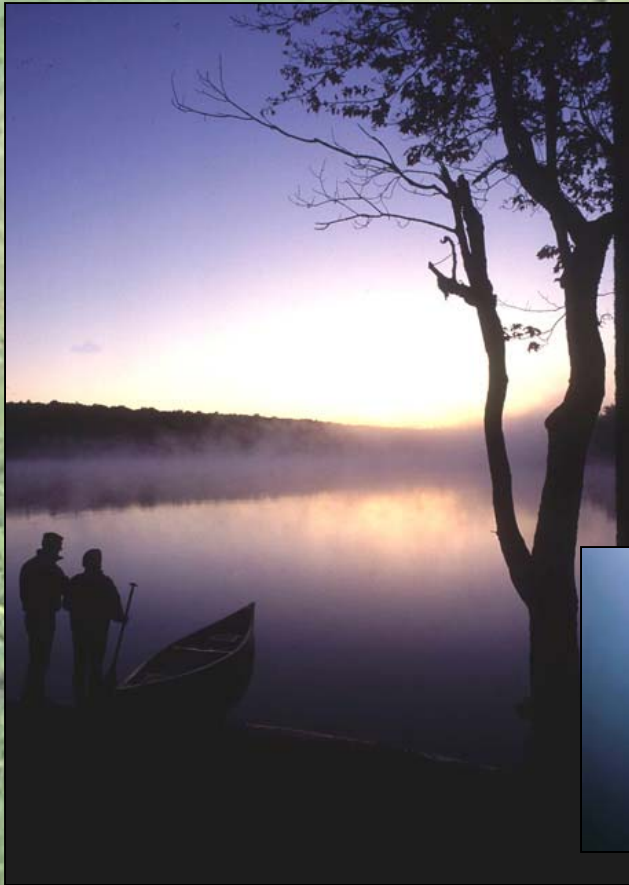
- *New AFO/CAFO regulations*
  - *Federal CAFO regulations and outreach materials: [www.epa.gov/npdes/caforule](http://www.epa.gov/npdes/caforule)*
  - *EPA Region 7: (800) 223-0425*
  - *<http://extension.agron.iastate.edu/immag/>*



# *Iowa Leads the Way in Animal Production*

■ *Iowa is proactive  
in agriculture*

■ *Let's make Iowa a  
leader in resource  
stewardship*



6.29.2000